CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/KRIDL/W.No.14/CSR-02/261d/Cube/2016-17 18.03.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of the work	:	Improvements to CC roads and drains 11th Cross near Govt. Higher primary school Bhuvaneshwari Nagara Bagalagunte in Ward No.14, BBMP, Bangalore.
* Reference	:	EE/DD/W.O/116/2016-17 Dated: 28.01.2017
* Sample ID	:	Road Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	18.03.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.02.2017	18.03.2017	8.135	482.3	21.44
2	18.02.2017	18.03.2017	8.266	499.5	22.20
3	18.02.2017	18.03.2017	8.338	512.6	22.78

*Information is furnished by the Customer/Representative.

Note:

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⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

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Technical Manager

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Sample Received on	:	18.03.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.02.2017	18.03.2017	8.139	478.3	21.26
2	18.02.2017	18.03.2017	8.215	492.2	21.88
3	18.02.2017	18.03.2017	8.308	516.3	22.95

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ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

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Job No.: CTCE/BBMP/KRIDL/W.No.14/CSR-02/261d/Pre Slab/2016-17 03.03.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CORE

* Customer	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of work	:	Improvements to CC roads and drains 11th Cross near Govt. Higher primary school Bhuvaneshwari Nagara Bagalagunte in Ward No.14, BBMP, Bangalore.
* Reference	:	EE/DD/W.O/116/2016-17 Dated: 28.01.2017
* Sample ID	:	Precast slab
* Grade of Concrete	:	M_{20}
Techinical Reference	:	IS:516-1959 (RA- 2013), SP-24:1983.
Sample Received on	:	28.02.2017
Date of Testing	:	03.03.2017

Sl. No	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	78.00	0.386	2520.36	1.56	0.952	32.65	16.63	17.96	18.85	23.57
2	50.00	79.00	0.392	2527.14	1.58	0.955	33.25	16.93	18.29	17.46	21.82
3	50.00	80.00	0.403	2565.58	1.60	0.957	33.95	17.29	18.67	17.87	22.33

* Information is furnished by the Customer/Representative

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